

Abstract Of The Disclosure

In order to state a powdered metal composite material having a high specific electrical resistance and having good mechanical strength, very good resistance to temperature and to fuel, and a starting material and a method for the economical production of such a composite material, a powdered metal composite material having a high specific electrical resistance, which contains at least two oxides encapsulating the powdered metal particles, the oxides forming at least one common phase, and a starting material containing a powdered metal, which contains at least two antitack agents having oxidic pyrolysis residue and oxidic fine powder, and a method for producing such a composite material are made available, which relate to a starting material of the kind named, in which the starting material is pressed to form molded articles, in which the antitack agents are pyrolyzed in a nonreducing atmosphere to form oxides, and the oxides then present are made to react with one another to form at least one common phase.